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17 June 1953

MEMORANDUM FOR THE RECORD

SUBJECT: Visit With [ ] on U.S. Military Infrared Equipment;  
P-60A, P-60B, Infrared Equipment

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1. Time and Place of Meeting: Tuesday, 16 June 1953 at ERDL Laboratories, Fort Belvoir, Va.

2. Attendance: [ ]

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3. Purpose: To obtain information concerning infrared equipment used and being developed by the Corps of Engineers.

4. Discussion:

a. [ ] explained his need for general information concerning what was available in the line of IR viewers, IR sources, and other IR equipment used or being developed by the Military Services. [ ] with a pamphlet entitled "U.S. Military Infrared Equipment", dated 1 April 1953. This report lists all standard infrared items being used by the Army Field Forces. [ ] explained and gave the status of some special ERDL development items not covered in this pamphlet. They included an infrared gas mantle lantern, a new sniperscope, of which ERDL has three units, and a unipotential sniperscope, of which ERDL has twelve units. The new sniperscope compares with the present set, NR-1, as follows:

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3 times magnification, instead of 1.7;  
15 watt source, instead of 30 watt;  
lighter power supply;  
telescope shorter and lighter; and  
range increase of 25%.

The unipotential sniperscope is much smaller and has one-fourth the weight of the NR-1; it has approximately 75% the range of the NR-1.

b. [ ] demonstrated the final prototype of a gas mantle infrared lantern developed by Armour Research Foundation for the Corps of Engineers. It is approximately the same weight as the P-60A unit and performs the same functions, except that it provides a coded transmission. This unit is scheduled for test and evaluation during the month of July. [ ] will supply APD with these

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test results

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test results and the final report of the contractor on the development of this unit. This lantern could be extremely useful for Agency operations which require the use of a marker beacon. [redacted] will keep us informed of progress on this unit and indicated that prototypes could be produced for us if arrangements were made through Chief, OCE.

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TSS/APD

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